

Supplemental Disclosure Statement
~~EXAMINER'S REPORT BY APPLICANT~~

(Use several sheets if necessary)

ATTY. DOCKET NO.

22178

Sheet 1 of 1

SERIAL NO.

314,124

APPLICANT

Richard H. Tullis

FILING DATE

October 23, 1981

GROUP

127

EXAMINE
INITIAL

☒ Doel & Smith, "The Chemical Synthesis of Deoxyribo-
oligonucleotides Complementary to a Portion of the Lysozyme
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☒ Barrett, Miller & Ts'o, "Inhibitory Effect of Complex
Formation with Oligodeoxyribonucleotide Ethyl Phosphotri-
esters on Transfer Ribonucleic Acid Aminoacylation," Bio-
chemistry, 13:24, 4897-4906 (1974).
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☒ Holder & Lingrel, "Determination of Secondary Structure in
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Biochemistry, 14:19, 4209-4215 (1975).
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☒ Van, Monahan, Woo, Means & O'Malley, "Comparative Studies
on the Secondary Structure of Ovalbumin Messenger RNA and
its Complementary DNA Transcript," Biochemistry, 16:18,
4090-4100 (1977).
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☒ Mevarech, Noyes & Agarwal, "Detection of Gastrin-Specific
mRNA Using Oligodeoxynucleotide Probes of Defined Sequence,"
J. Bio. Chem., 254:16, 7472-7475 (1975).
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☒ Marx, "Gene Transfer Moves Ahead," Science, 210:1334-1336
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☒ Tullis, Gutierrez & Rubin, "Specific Detection of Human
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leotide," Biochem. and Biophys. Res. Comm., 93:3, 941-947
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☒ Agarwal, Brunstedt & Noyes, "A General Method for Detection
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☒ Gubler, Kilpatrick, Seeburg, Gage & Udenfriend, "Detection
and Partial Characterization of Proenkephalin mRNA," Proc.
Natl. Acad. Sci., 78:9, 5484-5487 (1981).
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☒ Sood, Pereira & Weissman, "Isolation and Partial Nucleotide
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Antigen HLA-B by Use of an Oligodeoxynucleotide Primer,"
Proc. Natl. Acad. Sci., 78:1, 616-620 (1981).
(Copy enclosed)

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Examinee's attention is directed to the fact that, in accordance with MPEP 609, Draw line through citation if not
conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 REV. 7-801		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 22178	SHEET 1 OF 3
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Tullis	SERIAL NO. 314124
				FILING DATE 10/23/81	GROUP 127
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS

MT Miller, Fang, Kondo and Ts'o, "Synthesis and Properties of Adenine and Thymine Nucleoside Alkyl Phosphotriesters, the Neutral Analogs of Dinucleoside Monophosphates," Journal of The American Chemical Society, 93:24, 6657-6665 (1971).

MT Pitha, "Analogues of Viral Genomes," Selective Inhibitors of Viral Functions (Carter, W.A. (ed.)), C.R.C. Press, Cleveland, Ohio, 349-360 (1973).

MT Arya, Carter, Alderfer and Ts'o, "Inhibition of RNA Directed DNA Polymerase of Murine Leukemia Virus by 2'-O-Alkylated Polyadenylic Acids," Biochemical and Biophysical Research Communications, 59:2, 608-615 (1974).

~~Barrett, Miller and Ts'o, "Inhibitory Effect of Complex Formation with Oligodeoxyribonucleotide Ethyl Phosphotriesters on Transfer Ribonucleic Acid Aminoacylation," Biochemistry, 13:24, 4897-4906 (1974).~~

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MT Befort, Beck, Ebel and Louisot, "Inhibition of Viral Multiplication by Homologous Methylated Ribonucleic Acids. IV. Subcellular Localisation after Uptake into Fibroblasts and Relation between Antiviral Activity and Chain Length," Chem.-Biol. Interactions, 9:181-185 (1974).

MT Miller, Barrett and Ts'o, "Synthesis of Oligodeoxyribonucleotide Ethyl Phosphotriesters and Their Specific Complex Formation with Transfer Ribonucleic Acid," Biochemistry, 13 24, 4887-4896 (1974).

MT Tennant, Hanna, Jr. and Farrelly, "Effects of Poly (2'-O-Methyladenylic Acid) on Susceptibility and Autogenous Immunity to RNA Tumor Virus Oncogenesis In Vivo," Proc. Nat. Acad. Sci. USA, 71:8, 3167-3171 (1974).

MT Arya, Carter, Alderfer and Ts'o, "Inhibition of Ribonucleic Acid-Directed Deoxyribonucleic Acid Polymerase of Murine Leukemia Virus by Polyribonucleotides and Their 2'-O-Methylated Derivatives," Molecular Pharmacology, 11 421-426

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NA Narang, Itakura and Katagiri, "Oligonucleotides Containing Phosphotriester Internucleotidic Groups as Novel Substrates for Polynucleotide Enzymes," Canadian Journal of Biochemistry, 53:392-394 (1975).

NA Miller, Braiterman and Ts'o, "Effects of a Trinucleotide Ethyl Phosphotriester, G^mp(Et)G^mp(Et)U, on Mammalian Cells in Culture," Biochemistry, 16:9, 1988-1996 (1977).

NA Pless and Ts'o, "Duplex Formation of a Nonionic Oligo(Deoxythymidylate) Analogue [Heptadeoxythymidyl-(3'-5')-deoxythymidine Heptaethyl Ester (d-[Tp(Et)]₇T)] with Poly(deoxyadenylate). Evaluation of the Electrostatic Interaction," Biochemistry, 16:6, 1239-1250 (1977).

NA Vengris, Pitha and Sensenbrenner, "Polymeric Drugs: Direct Compared with Indirect Inhibition of Leukemia Virus Replication in Mice," Molecular Pharmacology, 14:271-277 (1978).

NA Stephenson and Zamecnik, "Inhibition of Rous Sarcoma Viral RNA Translation by a Specific Oligodeoxyribonucleotide," Proc. Nat. Acad. Sci. USA, 75:1, 285-288 (1978).

NA Zamecnik and Stephenson, "Inhibition of Rous Sarcoma Virus Replication and Cell Transformation by a Specific Oligodeoxyribonucleotide," Proc. Natl. Acad. Sci. USA, 75:1, 280-284 (1978).

NA Agarwal and Riftina, "The Synthesis and Enzymatic Properties of Deoxyribooligonucleotides containing Methyl and Phenylphosphonate Linkages," Nucleic Acids Research, 6:9, 3009-3024 (1979).

NA Bodell, Singer, Thomas and Cleaver, "Evidence for Removal at Different Rates of O-Ethyl Pyrimidines and Ehtylphosphotriesters in Two Human Fibroblast Cell Lines," Nucleic Acids Research, 6:8, 2819-2829 (1979).

NA Miller, Yano, Yano, Carroll, Jayaraman and Ts'o, "Nonionic Nucleic Acid Analogues. Synthesis and Characterization of Dideoxyribonucleoside Methylphosphonates," Journal of the American Chemical Society, 101:23, 5135-5143 (1979).

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DATE CONSIDERED

11/81

REMARKS

